

Request to Archive
With The National Centers for Environmental Information
For NCEP Near Real Time daily Global Telecommunications Gateway (GTS) surface marine
data
Provided by National Climatic Data Center

2016-02-16

This information will be used by NCEI to conduct an appraisal and make a decision on the request.

1. Who is the primary point of contact for this request?

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2. Name the organization or group responsible for creating the dataset.

DOC/NOAA/NWS/NCEP > National Centers for Environmental Prediction, National Weather Service, NOAA, U.S.
Department of Commerce

3. Provide an overview summarizing the scope of data you want to archive. Describe the outputs, data variables, including their measurement resolution and coverage.

This data set consists of daily files of surface marine data gathered from the GlobalTelecommunications System (GTS) by NOAA's National Centers for EnvironmentalPrediction (NCEP).

These are basic observational data (individual marine reports from ships, buoys, etc.) in a simple ASCII format containing selected weather elements such as sea level pressure, wind, air temperature, dew point depression, cloud cover, and sea surface temperature. The BUFR file type field tells the observation is from ship, drifting buoy, moored buoy, or Coastal-Marine Automated Network (C-MAN). The data covers period from 2006 to present.

4. What is the time period covered by the dataset? (YYYY-MM-DD, YYYY-MM or YYYY)

From 2006-04-01
Ongoing as continuous updates to the data record

5. Edition or version number(s) of the dataset:

N/A

6. Approximate date when the dataset was or will be released to the public:

9999

7. Who are the expected users of the archived data? How will the archived data be used?

This dataset is used as input for the production of the Optimum Interpolated Sea Surface Temperature (OISST) analysis.

8. Has the dataset undergone user evaluation and/or an independent review process? Did NCEI participate in design reviews?

No

9. Describe the dataset's relationship to other archived datasets, such as earlier versions or related source data. If this is a new version, how does it improve upon the previous version(s)?

A monthly GTS surface marine data set is used in the Extended Reconstructed SST (ERSST) product. The monthly GTS is an aggregated version of the daily.

10. List the input datasets and ancillary information used to produce the data.

surface marine observations

11. List web pages and other links that provide information on the data.

No metadata embedded in the data files.

12. List the kinds of documents, metadata and code that are available for archiving. For example, data format specifications, user guides, algorithm documentation, metadata compliant with a standard such as ISO 19115, source code, platform/instrument metadata, data/process flow diagrams, etc.

1. <http://icoads.noaa.gov/nrt.html>

13. Indicate the data file format(s).

1. ASCII

14. Are the data files compressed?

gzip

15. Provide details on how the files are named and how they are organized (e.g., file_name_pattern_YYYYMM.tar in monthly aggregations).

gts.yyyymmdd.gz

16. Explain how to access sample data files and/or a file listing for previewing. If it is not available now, when will it be available?

rainband:/raid2/sstday/yyyy/obs/buoyship/NCEP

17. What is the total data volume to be submitted?

Historic Data: all historic data or data submitted as a completed collection.

Total Data Volume: 32GB

Number of Data Files: 2646

Continuous Data: data volume rate for a continuous data production.

Total Data Volume Rate: 3.5KB per Day

Data File Frequency: 1 per Day

Data Production Start: 2013-09-01

18. Are later updates, revisions or replacement files anticipated? If so, explain the conditions for submitting these additional data to the archive.

No additional updates, revisions or replacement data are anticipated.

19. Describe the server that will connect to the ingest server at NCEI for submitting the data.

Physical Location: 5200 Auth Road, Camp Springs, MD
System Name: emc.ncep.noaa.gov
System Owner: NOAA/NCEP/EMC
Additional Information:

20. What are the possible methods for submitting the data to NCEI? Select all that apply.

- 1. FTP PULL
- 2. FTP PUSH

21. Identify how you would like NCEI to distribute the data. Web access support depends on the resources available for the dataset.

- 1. Unknown

22. Will there be any distribution, usage, or other restrictions that apply to the data in the archive?

No known constraints apply to the data.

23. Discuss the rationale for archiving the dataset and the anticipated benefits. Mention any risks associated with not archiving the dataset at NCEI.

This data set is one of the inputs for an operational CDR: OISST. Archiving this data set provides provenance for the CDR.

24. Are the data archived at another facility or are there plans to do so? Please explain.

No

25. Is there an existing agreement or requirement driving this request to archive? Have you already contacted someone at NCEI?

We are drafting a Service Level Agreement (SLA) with NCEP.

26. Do you have a data management plan for your data?

No

27. Have funds been allocated to archive the data at NCEI?

No

28. Identify the affiliated research project, its sponsor, and any project/grant ID as applicable.

OISST is a Climate Data Record.

29. Is there a desired deadline for NCEI to archive and provide access to the data?

Archive by: 2013-12-31

Accessible by:

30. Add any other pertinent information for this request.

None